# **Signature Page**

#### Signed By

ROBERT F BENHAM

#### Organization

OG AND E

#### **URL**

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#### Agent

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#### Time

3/30/2023 2:44:12 PM

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#### **Confirmation Number**

S20230330143853-F11-R2022

# 2022 Emissions Inventory Report OG AND E (330)

# **RIVER VALLEY GENERATING STATION (11)**

# **Emissions Summary**

CRITERIA AIR POLLUTANT (CAP) EMISSIONS TOTALS					
Pollutant Code/CAS#	Pollutant Name	Total Emissions (tons)*			
CO	Carbon Monoxide	694.986			
NOX	Nitrogen Oxides (NOx) expressed as NO2	1,020.012			
PM10-PRI	PM10 - Primary (Filterable + Condensible)	139.131			
PM25-PRI	PM2.5 - Primary (Filterable + Condensible)	80.514			
SO2	Sulfur Oxides (SOx) expressed as SO2	775.728			
VOC	Volatile Organic Compounds (VOCs)	3.206			

# HAZARDOUS AIR POLLUTANT (HAP) and/or OTHER POLLUTANT EMISSIONS TOTALS

Pollutant Code/CAS#	Pollutant Name	Is VOC/PM?	Total Emissions (tons)*
121142	2,4-Dinitrotoluene (HAP)	VOC	0.015
75070	Acetaldehyde (HAP-TOX)	VOC	0.017
98862	Acetophenone (HAP)	VOC	0.011
107028	Acrolein (HAP)	VOC	0.02
107131	Acrylonitrile (HAP-TOX)	VOC	0.063
71432	Benzene (including benzene from gasoline) (HAP-TOX)	VOC	0.012
92875	Benzidine (HAP)	VOC	0.016
100447	Benzyl chloride (HAP)	VOC	0.011
117817	Bis(2-ethylhexyl)phthalate (DEHP) (HAP)	VOC	0.014
75150	Carbon disulfide (HAP)	VOC	0.01
132649	Dibenzofuran (HAP)	VOC	0.016
84742	Dibutylphthalate (HAP)	VOC	0.004
131113	Dimethyl phthalate (HAP)	VOC	0.005
106934	Ethylene dibromide (Dibromoethane) (HAP)	VOC	0.003
50000	Formaldehyde (HAP-TOX)	VOC	0.014
110543	Hexane (HAP)	VOC	0.013
7647010	Hydrochloric acid (HAP)	PM	1.634
7664393	Hydrogen fluoride (Hydrofluoric acid) (HAP)	PM	0.228

Pollutant Code/CAS#	Pollutant Name	Is VOC/PM?	Total Emissions (tons)*
7439976	Mercury (HAP-TOX)	PM	0.003
108101	Methyl isobutyl ketone (Hexone) (HAP)	VOC	0.051
75092	Methylene chloride (Dichloromethane) (HAP-TOX)	-	0.108
108952	Phenol (HAP)	VOC	0.011
123386	Propionaldehyde (HAP)	VOC	0.029
7664939	Sulfuric acid (including acid mist expressed as H2SO4) (OTH)	PM	0.186
108883	Toluene (HAP-TOX)	VOC	0.01

# 2022 Emissions Inventory Report

### **OG AND E (330)**

## **RIVER VALLEY GENERATING STATION (11)**

COMPANY

Company Identifier: 330

)

Mailing Address: PO BOX 321 MC610

OKLAHOMA CITY, OK 73102-0321

**Contact Phone:** (405) 553-3000 **Contact FAX:** (553) 553-3689

FACILITY

Facility Identifier: 11

Facility Name: Status Year:

Company Name:

RIVER VALLEY GENERATING STATION

OG AND E

Status: OP - Operating

221112 (Primary) - Fossil Fuel Electric Power Generation

Comments:

NAICS:

FACILITY - ADDRESS

Location Address: 3 MLES E OF HWY 31/59 JCT

PANAMA, OK 74951

FACILITY - LOCATION

Latitude (decimal degress): 35.19506

Longitude (decimal degress): -94.64569

**Collection Method:** 020 - interpolation-satellite

Data Collection Date: 09/22/2009

Geographic Reference Point:

Geodetic Reference System: 003 - World Geodetic System of 1984

#### FACILITY - ADDITIONAL INFORMATION

Field Name	Field Value			
Oil & Gas Facility Category	Not Applicable			
Permit Number(s)	36-045-C PSD,2020-0069-AR,2016-0355-TVR2 M-1			
SIC Number	4911			
TRI Identifier (ID)	74951SSHDY3MLE			

RELEASE POINTS	RELEASE POINTS							
ID	Туре	Description St		Details	Location			
8315	Vertical	Unit 1A, 1B, 2A, 2B Common Boiler Stack OP in		Height: 350.0 FEET, Shape: Circular, Diameter: 17.0 FEET, Temperature: 350.0 F, Flow Rate: 800,016.0 ACFM, Velocity: 58.74 FPS	Lat/Long: (35.19281, -94.64691)			
8319	Fugitive Area: SW Corner Coords	Railcar Unloading TS in		Fugitive Height: 15.0 FEET, Fugitive Width: 1,268.0 FEET, Fugitive Length: 1,268.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
8320	Fugitive Area: SW Corner Coords	Vehicle traffic	OP in 2002	Fugitive Height: 11.0 FEET, Fugitive Width: 107.0 FEET, Fugitive Length: 107.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
8321	Fugitive Area: SW Corner Coords	Coal transfer		Fugitive Height: 15.0 FEET, Fugitive Width: 1,268.0 FEET, Fugitive Length: 1,268.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
8322	Fugitive Area: SW Corner Coords			Fugitive Height: 15.0 FEET, Fugitive Width: 990.0 FEET, Fugitive Length: 990.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
8323	Fugitive Area: SW Corner Coords	a: Ash handling Ol		Fugitive Height: 15.0 FEET, Fugitive Width: 252.0 FEET, Fugitive Length: 252.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
8325	Fugitive Area: SW Corner Coords			Fugitive Height: 15.0 FEET, Fugitive Width: 1,341.0 FEET, Fugitive Length: 1,341.0 FEET, Fugitive Angle: 0°	Uses Facility Site Location			
12792	Vertical	CO2 Flant Stack	TS in 2002	Height: 104.0 FEET, Shape: Circular, Diameter: 2.5 FEET, Temperature: 212.0 F, Flow Rate: 17,354.0 ACRM, Velocity: 58.92 FPS	Uses Facility Site Location			
	Comment: 002	Plant didn't operate in 2020						
35895	Vertical	ical Cooling Towers EUG-10 OP in 2		Height: 60.0 FEET, Shape: Circular, Diameter: 52.0 FEET, Temperature: 78.0 F, Flow Rate: 6,371,150.0 ACFM, Velocity: 50.0 FPS	Uses Facility Site Location			
160625	Vertical	BNG-1 1,180-hp Ourmins KTA-38-GI Emergency Diesel Power Generator	OP in 2017	Height: 3.0 FEET, Shape: Circular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Pate: 1,592.0 ACFM, Velocity: 135.0 FPS	Uses Facility Site Location			
160717	Vertical	ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	OP in 2017	Height: 3.0 FEET, Shape: Orcular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Rate: 1,592.0 ACFM, Velocity: 135.13 FPS	Uses Facility Site Location			
160730	Vertical	BNG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	OP in 2017	Height: 4.0 FEET, Shape: Circular, Diameter: 0.5 FEET, Temperature: 900.0 F, Flow Rate: 1,592.0 ACFM, Velocity: 135.1 FPS	Uses Facility Site Location			

CONTROL DEVICE	CONTROL DEVICES						
ID	Description	Status	Control Measure	Controlled Pollutants			
122037	Low Excess Air Firing Primary 100 99	OP	29 - Low Excess Air Firing	NOX-Ntrogen Oxides (NOx) expressed as NO2: 99.0%			
122038	Dry Limestone Injection Primary 100 92.2	OP	41 - Dry Limestone Injection	SO2-Sulfur Oxides (SOx) expressed as SO2: 92.2%			
122041	Fabric Filter / Baghouse Primary 100 98	OP	127 - Fabric Filter / Baghouse	PM10-PRI-PM10 - Primary (Filterable + Condensible): 98.0%			
122042	Fabric Filter / Baghouse Primary 100 99	OP	127 - Fabric Filter / Baghouse	7439921-Lead: 99.0%, PM10-PRI-PM10 - Primary (Filterable + Condensible): 99.0%, PM25-PRI-PM2.5 - Primary (Filterable + Condensible): 99.0%, 7440473-Chromium 99.0%, 16984488-Fluorine expressed as Fluoride, F-: 99.0%, 7439965-Manganese: 99.0%, 7440020-Nickel: 99.0%			
122043	Fabric Filter / Baghouse Secondary 100 99	OP	127 - Fabric Filter / Baghouse	SO2-Sulfur Oxides (SOx) expressed as SO2: 99.0%			
122044	Dust Suppression Primary 100 50	OP	217 - Dust Suppression	PM10-PRI-PM10 - Primary (Filterable + Condensible): 50.0%			

EMISSION UNITS	EMISSION UNITS							
ID	Туре	Description	Status	Details				
8315	100 - Boiler	Boiler 1A B-01A EUG-2	OP in 2002	Operation Start: , Design Capacity: 901.27 E6BTU/HR				
8316	100 - Boiler	Boiler 1B B-02-01B EUG-2	OPin 2002	Operation Start: , Design Capacity: 857.84 E6BTU/HR				
8317	100 - Boiler	Boiler 2A B-02-02A EUG-2	OP in 2002	Operation Start: , Design Capacity: 872.95 E6BTU/HR				
8318	100 - Boiler	Boiler 2B B-02-02B EJG-2	OP in 2002	Operation Start: , Design Capacity: 881.07 E6BTU/HR				
8319	770 - Transfer Point	Railcar Unloading	TS in 2011	Operation Start: , Design Capacity:				
8320	300 - Open Air Fugitive Source	Vehicle Traffic BJG-7	OP in 2002	Operation Start: , Design Capacity:				
8321	770 - Transfer Point	Coal handling BJG-6	OP in 2002	Operation Start: , Design Capacity:				
8322	760 - Conveyor	Limestone handling BJG-5	OP in 2002	Operation Start: , Design Capacity:				
8323	760 - Conveyor	Ash handling EUG-4	OP in 2002	Operation Start: , Design Capacity:				
8325	785 - Open Storage Pile	Storage piles BJG-8	OPin 2002	Operation Start: , Design Capacity:				
12776	690 - Other process equipment	CO2 Plant EUG-3	TS in 2020	Operation Start: , Design Capacity:				
	Comment:							
36186	680 - Cooling Tower	Cooling Towers EUG-10	OPin 2006	Operation Start: , Design Capacity:				
161174	160 - Reciprocating IC Engine	ENG-1 1,180-hp Curmins KTA-38-GI Emergency Diesel Power Generator	OP in 2017	Operation Start: , Design Capacity: 1,180.0 HP				
161271	160 - Reciprocating IC Engine	ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Rump	OP in 2017	Operation Start: , Design Capacity: 890.0 HP				
161286	160 - Reciprocating IC Engine	ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	OP in 2017	Operation Start: , Design Capacity: 490.0 HP				

UNIT PROCESSES	JNIT PROCESSES						
Emission Unit ID	Unit Process ID	SCC	Description	Status	Details		
<b>8315</b> Boiler 1A B-01A BUG-2	39171	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Orculating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%		
<b>8315</b> Boiler 1A B-01A BUG-2	39172	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%		
<b>8316</b> Boiler 1B B-02-01B BJG-2	39173	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Groulating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%		

Emission Unit ID	Unit Process ID	scc	Description	Status	Details
8316 Boiler 1B B-02-01B EUG-2	39174	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
<b>8317</b> Boiler 2A B-02-02A EUG-2	39175	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Grculating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8317 Boiler 2A B-02-02A EUG-2	39176	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP .	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
8318 Boiler 2B B-02-02B EUG-2	39177	10100238	Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8318 Boiler 2B B-02-02B EUG-2	39178	10100601	Natural Gas - Boiler, >= 100 Million BTU/hr	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse and other measures Control Devices: 122037-Low Excess Air Firing Primary 100 99, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122038-Dry Limestone Injection Primary 100 92.2, Seq: 2, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122042-Fabric Filter / Baghouse Primary 100 99, Seq: 3, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% 122043-Fabric Filter / Baghouse Secondary 100 99, Seq: 4, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0% Release Point Apportionment: 8315 - Unit 1A, 1B, 2A, 2B Common Boiler Stack: 100.0%
8319 Railcar Unloading	39179	30501044	Coal Mining, Cleaning, and Material Handling - Train Loading: Coal	TS in 2011	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8319 - Railcar Unloading: 100.0%
8320 Vehicle Traffic EUG- 7	39180	30502011	Stone Quarrying - Processing (See also 305320) - Hauling	OP	Control Approach Controlled?: Yes Description: Dust Suppression Control Devices: 122044-Dust Suppression Primary 100 50, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8320 - Vehicle traffic: 100.0%

Emission Unit ID	Unit Process ID	scc	Description	Status	Details	
8321 Coal handling EUG-6	39181	30501011	Coal Mining, Cleaning, and Material Handling - Coal Transfer	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8321 - Coal transfer: 100.0%	
8322 Limestone handling EUG-5	39182	30510105	Bulk Materials Conveyors - Limestone	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8322 - Limestone transfer: 100.0%	
8323 Ash handling EUG-4	39183	30510199	Bulk Materials Conveyors - Other Not Classified	OP	Control Approach Controlled?: Yes Description: Fabric Filter / Baghouse Control Devices: 122041-Fabric Filter / Baghouse Primary 100 98, Seq: 1, Capture Efficiency: 100.0%, Uptime/Effectiveness: 100.0%  Release Point Apportionment: 8323 - Ash handling: 100.0%	
8325 Storage piles EUG-8	39185	30510203	Bulk Materials Storage Bins - Coal	8	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 8325 - Storage piles for ash and coal: 100.0%	
12776 CO2 Plant EUG-3	39186	39000699	Natural Gas - General	TS in 2021	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 12792 - CO2 Flant Stack: 100.0%	
		Comment:				
<b>12776</b> CO2 Plant EUG-3	39187	39999999	Mscellaneous Industrial Processes - Other Not Classified	TS in 2021	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 12792 - CO2 Plant Stack: 100.0%	
		Comment:				
36186 Cooling Towers EJ.G-10	142967	38500101	Process Cooling - Mechanical Draft	œ	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 35895 - Cooling Towers EUG-10: 100.0%	

Emission Unit ID	Unit Process ID	SCC	Description	Status	Details
161174 ENG-1 1,180-hp Curmins KTA-38-GI Emergency Diesel Power Generator	284777	20100107	Distillate Oil (Diesel) - Reciprocating: Exhaust	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160625 - ENG-1 1,180-hp Cummins KTA-38-GI Emergency Diesel Power Generator: 100.0%
161271 BNG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	284857	20100107	Distillate Oil (Diesel) - Reciprocating: Exhaust	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160717 - ENG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump: 100.0%
161286 BNG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	285150	20200102	Distillate Oil (Diesel) - Reciprocating	OP	Control Approach Controlled?: No Description: Control approach not specified. Assumes not controlled.  Release Point Apportionment: 160730 - ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump: 100.0%

PROCESS EMISSI	ONS						
Emission Unit ID	Unit Process ID	Throughput			Operations		
<b>8315</b> Boiler 1A B-01A EUG-2	39171 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 178,162.1216 TONS (Coal) (Input)		Average Hours/Day: 22.4, Days/Week: 5.3, Weeks/Year: 37.0 Actual Hours/Year: 4,419.5 Seasonal Operations: Dec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-Nov: 19.9%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)
			2.7711	TON-TO	NS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	246.85252758288
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991 S	Stack Test		T	
		NOX - Ntrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEVS)	377.3427603
			Emission Comment: Emissi boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEMS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.012	E6BTU- N	MLLION BTUS	4_2 - Stack Test - US EPA Reference Method (pre- Control EF)	25.07334688
			Stack Test Date: 02/06/1991				
			Overall Control Efficiency:				
			Emission Comment: 1991 S	Stack Test		T	
		PV25-PRI - PM 2.5 - Primary (Filterable + Condensible)	0.007		MLLION BTUS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	14.44442809
			Stack Test Date: 02/06/1991				
		<u></u>	Emission Comment: 1991 S	Stack Test		1	1
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEVS)	322.6964453
			Emission Comment: Emissi boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEVIS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TO	NS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.5344863648
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991 S	Stack Test			
		121142 - 2,4-Dinitrotoluene				10_0 - OK DEQ Approved Method (no EF)	0.0056955
		<u></u>	Emission Comment: HAPS	and Toxics	are calculated using EPRIT	*	<u> </u>
		75070 - Acetaldehyde		<u> </u>		10_0 - OK DEQ Approved Method (no EF)	0.0063285
		OOOCO At-ub-us-us-	Emission Comment: HAPS	and Toxics	are calculated using ERLI		0.004040
		98862 - Acetophenone	E11 0			10_0 - OK DEQ Approved Method (no EF)	0.004219
		107028 - Acrolein	Emission Comment: HAPS	and Toxics	are calculated using EPRLI	10 0 - OK DEQ Approved Method (no EF)	0.007383
		107026 - ACTORIT	Emission Comment: HAPS	and Toyice	are calculated using FDPIT	1 , ,	0.007303
		107131 - Acrylonitrile	Lilission Comment. 1 Aro	and toxics	are carculated using LFTV I	10_0 - OK DEQ Approved Method (no EF)	0.0232045
		107 101 7 for yior in ino	Emission Comment: HAPS	and Toxics:	are calculated using FPRIT	- , , ,	0.0202070
		71432 - Benzene (including benzene from gasoline)		10000		10 0 - OK DEQ Approved Method (no EF)	0.0043025
			Emission Comment: HAPS	and Toxics	are calculated using EPRIT	1 = , ,	
		92875 - Benzidine		1		10 0 - OK DEQ Approved Method (no EF)	0.0059065
		1	Emission Comment: HAPS	and Toxics	are calculated using EPRIT		<del>!</del>
		100447 - Benzyl chloride				10_0 - OK DEQ Approved Method (no EF)	0.004008
		1	1	-		•	

		Pollutant			ELONG COMPLETE COST IN THE	·· Carculation inethod ·· · · · · ·	Estimated Emis. (Tons)		
		117817 - Bis(2-ethylhexyl)phthalate (DE-P)				10_0 - OK DEQ Approved Method (no EF)	0.005063		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	TRI for Power Plants Software			
		75150 - Carbon disulfide				10_0 - OK DEQ Approved Method (no EF)	0.003586		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI -	TRI for Power Plants Software	-		
		132649 - Dibenzofuran				10_0 - OK DEQ Approved Method (no EF)	0.0059065		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	TRI for Power Plants Software	•		
		84742 - Dibutylphthalate				10 0 - OK DEQ Approved Method (no EF)	0.00154		
		, ,	Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	, ,			
		131113 - Dimethyl phthalate				10_0 - OK DEQ Approved Method (no EF)	0.0018985		
			Emission Comment: HAPS a	and Toxics a	are calculated using FPRI		1		
		106934 - Ethylene dibromide (Dibromoethane)		107.000		10 0 - OK DEQ Approved Method (no EF)	0.0010335		
		100304 - Ellylete dibiotitue (bibiotibetilaile)	Emission Comment: HAPS a	and Toyice o	are calculated using FDDI	_ :: ` ` ;	0.0010000		
		50000 - Formaldehyde	Emission Comment. PAPS a	aliu luxics a	are calculated using ETN		0.0042205		
		50000 - Formaldenyde	E : : 0			10_0 - OK DEQ Approved Method (no EF)	0.0042305		
		F	Emission Comment: HAPS a	and Toxics a	are calculated using HRI		T		
		110543 - Hexane		l		10_0 - OK DEQ Approved Method (no EF)	0.004658		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	- t	1		
		7647010 - Hydrochloric acid	10_0 - OK DEQ Approved Method (no EF) 0.6019						
			Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Plants Software. A site specific emission factor of 215 upon the average of all HO test in 2021 was used in the software.						
		7664393 - Hydrogen fluoride (Hydrofluoric acid)				10_0 - OK DEQ Approved Method (no EF)	0.0447495		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	TRI for Power Plants Software			
		7439976 - Mercury				10 0 - OK DEQ Approved Method (no EF)	0.00132		
		,	Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Plants Software						
	108101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.0187745			
		100101 Wally Hoodaly Holdrid (1 Shortd)	Emission Comment: HAPS a	and Toyics a	are calculated using FDRI		0.0107710		
		75092 - Methylene chloride (Dichloromethane)	Emission comment: 174 oc	and Toxioo C	are caronated using ETT	10 0 - OK DEQ Approved Method (no EF)	0.04008		
		73032 - Wettiylerie Ciliolide (Dictilolorietilarie)	Emission Comment: HAPS a	and Taylon (	are coloulated using EDD	1 = , ,	0.04000		
		4000F0 Fb and	Emission Comment: PAPS a	and toxics a	are calculated using EPN		0.004000		
		108952 - Phenol		I		10_0 - OK DEQ Approved Method (no EF)	0.004008		
			Emission Comment: HAPS a	and Toxics a	are calculated using HRI				
		123386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.0105475		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	TRI for Power Plants Software			
		7664939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.081667		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software			
		108883 - Toluene				10_0 - OK DEQ Approved Method (no EF)	0.0035105		
			Emission Comment: HAPS a	and Toxics a	are calculated using EPRI	TRI for Power Plants Software	•		
ission Unit ID	Unit Process ID	Throughput			Operations				
IE.	39172				Average Hours/Dav: 5.7	, Days/Week: 5.3, Weeks/Year: 37.0			
<b>15</b> iler 1A B-01A	Natural Gas - Boiler,	Annual Throughput: 202,506.822 MLLION BTUS (Natural Gas) (In	put)		Actual Hours/Year: 1,12				
3-2	>= 100 Million BTU/hr				1	ac-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep	-Nov: 19.9%		
		Comment: Natural gas is used as a startup fueld and is co-fired wi	ith coal. Therefore, gas hours an	d coal hours	s are the same.				
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons		
			84.0		MILLION STANDARD	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	8.3385162		
		○ - Carbon Monoxide	04.0	CUBIC FEE	<b>=</b> I	(William)			
		CO - Carbon Monoxide	Overall Control Efficiency: 0		<u>=</u> I	Will did )	<u> </u>		
		NOX - Nitrogen Oxides (NOx) expressed as NO2			=1	1_0 - Continuous Emission Monitoring System (CEVS)	0.0		

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Estimated Emis. (Tons)

Pollutant

		Pollutant	Emis.siactGenungotampissi	on <b>s</b> -inglu <b>r</b> la	hwith 67 Coal	Calculation Method	Estimated Emis. (Tons)
		PM10-PRI - PM 10 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.75443718
			Overall Control Efficiency:	99.0%			
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.75443718
			Overall Control Efficiency:	99.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEMS)	0.0
			Emission Comment: Emissi	ons included	d with CEVIS for Coal		
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - MILLION STANDARD OUBIC FEET		8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.545974275
			Overall Control Efficiency:	0.0%			
Emission Unit ID	Unit Process ID	Throughput			Operations		
<b>8316</b> Boiler 1B B-02-01B BJG-2	39173 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 148,428.6789 TONS (Coal) (Input)			Actual Hours/Year: 3,57	ec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM		Estimated Emis. (Tons)
		CO - Carbon Monoxide	2.7711	TON-TO	ON - TONS 4_0 - Stack Test - US EPA Reference Method (no Control EF)		205.655356049895
			Stack Test Date: 02/06/1991	late: 02/06/1991			
			Emission Comment: 1991 S	· · · · · · · · · · · · · · · · · · ·			
		NOX - Ntrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEVS)	313.472
			Emission Comment: Emissi boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEMS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.04	E6BTU- N	ALLION BTUS	4_2 - Stack Test - US EPA Reference Method (pre- Control EF)	67.487
			Stack Test Date: 02/06/1991				
			Overall Control Efficiency:				
			Emission Comment: 1991 S	Stack Test		T	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.022	E6BTU - N	ALLION BTUS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	38.878
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991 S	Stack Test		T	
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEVS)	260.868
			Emission Comment: Emissi boiler Part 60 emissions.	ons are mea	asure by the Part 75 CEVS	on the common stack. To get emissions per boiler, emis	ssons are scaled by their per
		VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TO	NS.	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.4452860367
			Stack Test Date: 02/06/1991				<u> </u>
			Emission Comment: 1991 S	Stack Test			
		121142 - 2,4-Dinitrotoluene				10_0 - OK DEQ Approved Method (no EF)	0.0047445
		<u> </u>	Emission Comment: HAPS	and Toxics	are calculated using EPRI		I
		75070 - Acetaldehyde	F	1			0.0052715
			Emission Comment: HAPS	and Toxics	are calculated using 🖽 🖰	TRI for Power Plants Software	

Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)
98862 - Acetophenone			10_0 - OK DEQ Approved Method (no EF)	0.0035145
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
107028 - Acrolein			10_0 - OK DEQ Approved Method (no EF)	0.00615
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	<u> </u>
107131 - Acrylonitrile			10_0 - OK DEQ Approved Method (no EF)	0.019329
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	-
71432 - Benzene (including benzene from gasoline)			10_0 - OK DEQ Approved Method (no EF)	0.003588
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	<b>'</b>
92875 - Benzidine			10_0 - OK DEQ Approved Method (no EF)	0.00492
	Emission Comment: HAPS a	and Toxics are calculated using	EPRI TRI for Power Plants Software	
100447 - Benzyl chloride			10_0 - OK DEQ Approved Method (no EF)	0.0033385
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
117817 - Bis(2-ethylhexyl)phthalate (D <del>B-P</del> )			10_0 - OK DEQ Approved Method (no EF)	0.004217
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.002987
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no EF)	0.00492
	Emission Comment: HAPS a	and Toxics are calculated using	EPRI TRI for Power Plants Software	
84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.0012825
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.0015815
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.000861
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
50000 - Formaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.0036935
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
110543 - Hexane			10_0 - OK DEQ Approved Method (no EF)	0.003881
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
7647010 - Hydrochloric acid			10_0 - OK DEQ Approved Method (no EF)	0.50175
	Emission Comment: HAPS a upon the average of all HO tes	and Toxics are calculated using t in 2021 was used in the softw	EPRITRI for Power Plants Software. A site specific emis /are.	ssion factor of 215 lb/Tbtu based
7664393 - Hydrogen fluoride (Hydrofluoric acid)			10_0 - OK DEQ Approved Method (no EF)	0.0425375
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
7439976 - Mercury			10_0 - OK DEQ Approved Method (no EF)	0.00107
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
108101 - Methyl isobutyl ketone (Hexone)			10_0 - OK DEQ Approved Method (no EF)	0.015639
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
75092 - Methylene chloride (Dichloromethane)			10_0 - OK DEQ Approved Method (no EF)	0.0333865
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
108952 - Phenol			10_0 - OK DEQ Approved Method (no EF)	0.0033385
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	1
123386 - Propionaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.008786
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	
7664939 - Sulfuric acid (including acid mist expressed as H2SO4)			10_0 - OK DEQ Approved Method (no EF)	0.065145
	Emission Comment: HAPS a	and Toxics are calculated using	EPRITRI for Power Plants Software	1
108883 - Toluene			10_0 - OK DEQ Approved Method (no EF)	0.002931
	1			

		Pollutant	Emissian CommentwhAPS	and Taxies	are oakuulated using EPRI	TRING-Romer-Hants-Software	Fetimated Emis (Tons)
Emission Unit ID	Unit Process ID	Throughput	<del></del>		Operations		
<b>8316</b> Boiler 1B B-02-01B BJG-2	39174 Natural Gas - Boiler, >= 100 Million BTU/hr	Annual Throughput: 82,950.0 MLLION BTUS (Natural Gas) (Input)			Actual Hours/Year: 580	6, Days/Week: 5.1, Weeks/Year: 32.0 .0 ec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-	-Nov: 19.9%
	Bidi:	Comment: Natural gas is used as a startup fueld and is co-fired wit	h coal. Therefore, gas hours a	nd coal hour			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac		Calculation Method	Estimated Emis. (Tons)
		<ul><li>○ - Carbon Monoxide</li></ul>	84.0	_	MILLION STANDARD	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	` '
			Overall Control Efficiency:		<b>-</b>	GO. M.O. <b>2</b> /	
		NOX - Nitrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEMS)	0.0
			Emission Comment: Emiss	ions included	d with CEMS for Coal		
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.309
			Overall Control Efficiency:	99.0%		,	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.309
			Overall Control Efficiency:	99.0%		·	
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEVS)	0.0
			Emission Comment: Emiss	ions included	d with CEVS for Coal		
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.224
	1		Overall Control Efficiency:	0.0%			
Emission Unit ID U	Unit Process ID	Throughput			Operations		
8317 Boiler 2A B-02-02A EUG-2	39175 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 37,865.02697 TONS (Coal) (Input)			Actual Hours/Year: 1,24	.4, Days/Week: 4.0, Weeks/Year: 16.0 16.0 ec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-	-Nov: 19.9%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)
		CO - Carbon Monoxide	2.7711	TON-TO	NS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	52.4638881182835
			Stack Test Date: 02/06/1991	1		•	
			Emission Comment: 1991	Stack Test			
		NOX - Ntrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEVS)	89.052
			Emission Comment: Emiss boiler Part 60 emissions.	ions are mea	asure by the Part 75 CEVS	S on the common stack. To get emissions per boiler, emi	ssons are scaled by their per
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.02	E6BTU - N	<b>JILLION BTUS</b>	4_2 - Stack Test - US EPA Reference Method (pre- Control EF)	9.016
			Stack Test Date: 02/06/1991				
			Overall Control Efficiency:				
			Emission Comment: 1991	Stack Test			ı
		PV25-PRI - PM 2.5 - Primary (Filterable + Condensible)	0.012		<b>JILLION BTUS</b>	$4\_0$ - Stack Test - US EPA Reference Method (no Control EF)	5.194
			Stack Test Date: 02/06/1991				
			Emission Comment: 1991	Stack Test			

Pollutant	Emis. Factor (Lbs/UOM)	Emis. Factor UOM	Calculation Method	Estimated Emis. (Tons)						
SO2 - Sulfur Oxides (SOx) expressed as SO2			1_0 - Continuous Emission Monitoring System (CEMS)	39.496						
	Emission Comment: Emiss boiler Part 60 emissions.	sions are measure by the Part 75	CEVS on the common stack. To get emissions per boiler,							
VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TONS	4_0 - Stack Test - US EPA Reference Method (no Control EF)	0.11359508091						
	Stack Test Date: 02/06/199	1								
	Emission Comment: 1991 Stack Test									
121142 - 2,4-Dinitrotoluene			10_0 - OK DEQ Approved Method (no EF)	0.0012075						
	Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Rants Software									
75070 - Acetaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.0013415						
	Emission Comment: HAPS	S and Toxics are calculated using	g EPRITRI for Power Plants Software							
98862 - Acetophenone			10_0 - OK DEQ Approved Method (no EF)	0.0008945						
	Emission Comment: HAPS	S and Toxics are calculated using	g EPRI TRI for Power Plants Software	· ·						
107028 - Acrolein			10_0 - OK DEQ Approved Method (no EF)	0.001565						
	Emission Comment: HAPS	Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Plants Software								
107131 - Acrylonitrile			10_0 - OK DEQ Approved Method (no EF)	0.0049195						
	Emission Comment: HAPS	and Toxics are calculated using	BPRITRI for Power Plants Software							
71432 - Benzene (including benzene from gasoline)			10_0 - OK DEQ Approved Method (no EF)	0.000965						
	Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Rants Software									
92875 - Benzidine			10_0 - OK DEQ Approved Method (no EF)	0.001252						
	Emission Comment: HAPS	and Toxics are calculated using	g EPRI TRI for Power Plants Software							
100447 - Benzyl chloride			10_0 - OK DEQ Approved Method (no EF)	0.0008495						
	Emission Comment: HAPS	and Toxics are calculated using	g EPRI TRI for Power Plants Software							
117817 - Bis(2-ethylhexyl)phthalate (DE+P)			10_0 - OK DEQ Approved Method (no EF)	0.0010735						
	Emission Comment: HAPS	S and Toxics are calculated using	g EPRITRI for Power Plants Software	· ·						
75150 - Carbon disulfide			10_0 - OK DEQ Approved Method (no EF)	0.0007605						
	Emission Comment: HAPS	S and Toxics are calculated using	g EPRI TRI for Power Plants Software	l						
132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no EF)	0.001252						
	Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Flants Software									
84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.0003265						
	Emission Comment: HAPS	and Toxics are calculated using	g EPRI TRI for Power Plants Software							
131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.0004025						
	Emission Comment: HAPS	and Toxics are calculated using	BPRITRI for Power Plants Software							
106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.000219						
	Emission Comment: HAPS	Sand Toxics are calculated using	g EPRI TRI for Power Plants Software	0.000210						
50000 - Formaldehyde			10_0 - OK DEQ Approved Method (no EF)	0.0030325						
	Emission Comment: HAPS	And Toxics are calculated using	g EPRI TRI for Power Plants Software	0.0000020						
110543 - Hexane			10_0 - OK DEQ Approved Method (no EF)	0.0009985						
Trocto Taxano	Emission Comment: HAPS	and Toxics are calculated using	g BPRI TRI for Power Plants Software	0.000000						
7647010 - Hydrochloric acid	Zinssion comment. I Ai c	Zana Taxioo ai o balbalated doll je	10 0 - OK DEQ Approved Method (no EF)	0.1287735						
7047010 - Flydrochlorio acid		IS and Toxics are calculated using est in 2021 was used in the softv	g EPRITRI for Power Plants Software. A site specific emis							
7664393 - Hydrogen fluoride (Hydrofluoric acid)	aportate average of all I M te	St Low i was about in the soft	10_0 - OK DEQ Approved Method (no EF)	0.0321125						
100-1000 - Frydroger Huoriae (Frydronaono acia)	Emission Comment: LIADS	Sand Toylog are calculated uning	BPRITRI for Power Plants Software	0.0021120						
7439976 - Mercury	Linssion Comment. HAPS	Janu Tunius and Calculated USING	10 0 - OK DEQ Approved Method (no EF)	0.00017						
1400010 - IVELCULY			g BPRITRI for Power Rants Software	0.00017						

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		108101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.00398	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software		
		75092 - Methylene chloride (Dichloromethane)				10_0 - OK DEQ Approved Method (no EF)	0.008497	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software		
		108952 - Phenol				10_0 - OK DEQ Approved Method (no EF)	0.0008495	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Rants Software		
		123386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.002236	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software		
		7664939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.007984	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software		
		108883 - Toluene				10_0 - OK DEQ Approved Method (no EF)	0.0008295	
			Emission Comment: HAPS	and Toxics	are calculated using EPRI	TRI for Power Plants Software		
Emission Unit ID	Unit Process ID	Throughput		Operations				
8317	39176				Average Hours/Day: 6.9	, Days/Week: 4.0, Weeks/Year: 16.0		
Boiler 2A B-02-02A	Natural Gas - Boiler, >= 100 Million	Annual Throughput: 62,200.11 MLLION BTUS (Natural Gas) (Inpu	t)		Actual Hours/Year: 441.	0		
EUG-2	BTU/hr				Seasonal Operations: De	ec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-	Nov: 19.9%	
		Comment: Natural gas is used as a startup fueld and is co-fired wi						
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
			84.0	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	2.561	
			Overall Control Efficiency:	erall Control Efficiency: 0.0%				
		NOX - Ntrogen Oxides (NOx) expressed as NO2				1_0 - Continuous Emission Monitoring System (CEMS)	0.0	
			Emission Comment: Emissi	ions included	d with CEMS for Coal			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	7.6	7.6 E6FT3S - MILLION STANDARD 8_2 - US EPA Documents incl. AP-42 & Webl (pre-Control EF)		8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.232	
			Overall Control Efficiency:	99.0%				
		PV25-PRI - PM2.5 - Primary (Filterable + Condensible)	7.6	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.232	
			Overall Control Efficiency:	99.0%				
		SO2 - Sulfur Oxides (SOx) expressed as SO2				1_0 - Continuous Emission Monitoring System (CEMS)	0.0	
			Emission Comment: Emissi	ions included	d with CEVS for Coal			
		VOC - Volatile Organic Compounds (VOCs)	5.5	E6FT3S - CUBIC FE	MILLION STANDARD ET	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.168	
			Overall Control Efficiency:	0.0%				
Emission Unit ID	Unit Process ID	Throughput			Operations			
8318 Boiler 2B B-02-02B EUG-2	39177 Subbituminous Coal - Boiler, Atmospheric Fluidized Bed Combustion: Circulating Bed	Annual Throughput: 118,072.1725 TONS (Coal) (Input)			Average Hours/Day: 21.4, Days/Week: 5.0, Weeks/Year: 28.0 Actual Hours/Year: 3,020.1 Seasonal Operations: Dec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-Nov: 19.9%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		CO - Carbon Monoxide	2.7711	TON-TO	VS a	4_0 - Stack Test - US EPA Reference Method (no Control EF)	163.594898607375	
			Stack Test Date: 02/06/1991	1				
						<u> </u>		

Sinksion Comment: Enissors are measure by the Part 75 GBGs on the common stack. To get enissors per boler, enissors en escaled by their per boler, enissors per boler, enissors en escaled by their per boler, enissors per boler, enissors en escaled by their per boler, enissors enissors per boler, enissors en escaled by their per boler, enissors en eniso	Pollutant	Emis.signtGornesoto	11991 Stagkilestactor UOM	Calculation Method	Estimated Emis. (Tons)					
Dock RM 10 - Phrmy (Renable + Condorable)   Dock RM 10 - Phrmy (	NOX - Nitrogen Oxides (NOx) expressed as NO2			1_0 - Continuous Emission Monitoring System (CEMS)	239.734					
Stack Test Date: (2006/1991   Courted Efficiency 96.00%   EBTU - MLICHIBUS   1.0 - Stack Test - US EPA Reference Method (no Emission Comment: 1991 Stack Test   1.0 - Continuus Emission Montening System   150.00%   EBTU - MLICHIBUS   1.0 - Continuus Emission Montening System   150.00%   EBTU - MLICHIBUS   1.0 - Continuus Emission Montening System   150.00%   EBTU - MLICHIBUS   1.0 - Continuus Emission Montening System   150.00%   EBTU - MLICHIBUS   1.0 - Continuus Emission Montening System   150.00%   Emission Comment: 1991 Stack Test   Emission Comment: 1991 Sta				CEVS on the common stack. To get emissions per boiler, en	rissons are scaled by their per					
Decad Control Efficiency 59.0%    Emission Comment: 1991 Stack Test	PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.01	E6BTU - MILLION BTUS		19.173					
Britiston Comment: 1991 Stack Test   3.0 - Stack Test - U.S. EPA Reference Method (no Endowed Prince of Endowed Prince										
Mac   February   Filterable + Condensible										
Stack Test Date: 02/05/1991   Stack Test										
Pails alon Comment: 1991 Stack Test	PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.008	E6BTU - MILLION BTUS		11.045					
1.0 - Continuous Emission Monitoring System (SE)   152 64		Stack Test Date: 02/06	6/1991							
CEMB										
Moc   Vocable Organic Compounds (VCOs)   0.006   TON - TONS   4.0 - Stack Test - U.S.EPA Reference Method (no   0.3542165175   Stack Test - U.S.EPA Reference Method (no   0.3542165175   Stack Test - U.S.EPA Reference Method (no   D.3542165175   Stack Test - U.S.EPA Reference Method (no   Emission Comment: 1991 Stack Test   10.0 - CK DEQ Approved Method (no   Emission Comment: 1991 Stack Test   10.0 - CK DEQ Approved Method (no   Emission Comment: PAPS and Toxics are calculated using EPR TIR1 for Power Plants Software   10.0 - CK DEQ Approved Method (no   Emission Comment: PAPS and Toxics are calculated using EPR TIR1 for Power Plants Software   10.0 - CK DEQ Approved Method (no   Emission Comment: PAPS and Toxics are calculated using EPR TIR1 for Power Plants Software   10.00279	SO2 - Sulfur Oxides (SOx) expressed as SO2				152.64					
Stack Test Date: 02/06/1991   Smission Comment: 1991 Stack Test		boiler Part 60 emissions.								
Emission Comment: 1991 Stack Test	VOC - Volatile Organic Compounds (VOCs)	0.006	TON-TONS		0.3542165175					
10_0 - OK DEQ Approved Method (no Er)   0.0037665		Stack Test Date: 02/06/1991								
Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Pants Software   10,0 - CK DED Approved Method (no EF)   0.004185   10,0 - CK DED Approved Method (no EF)   0.004185   10,0 - CK DED Approved Method (no EF)   0.00279   10,0 - CK DED Approved Method (no EF)   0.00279   10,0 - CK DED Approved Method (no EF)   0.00279   10,0 - CK DED Approved Method (no EF)   0.0048825   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 - CK DED Approved Method (no EF)   0.00348   10,0 -		Emission Comment:	1991 Stack Test							
10_0 - OK DEQ Approved Method (no EF)   0.004185	121142 - 2,4-Dinitrotoluene			,	0.0037665					
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software   0.00279   0.00279		Emission Comment:	HAPS and Toxics are calculated using							
Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107028 - Acrolein  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107131 - Acrylonitrile  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107131 - Acrylonitrile  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107132 - Benzene (including benzene from gasoline)  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107132 - Benzene (including benzene from gasoline)  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107134 - Benzene (including benzene from gasoline)  Brission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software  107134 - Benzel chinic Efficiency Efficienc	75070 - Acetaldehyde				0.004185					
Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Hants Software   10,0 - CK DEC Approved Method (no EF)   0.0048825   10,0 - CK DEC Approved Method (no EF)   0.0048825   10,0 - CK DEC Approved Method (no EF)   0.0048825   10,0 - CK DEC Approved Method (no EF)   0.0153455   10,0 - CK DEC Approved Method (no EF)   0.0153455   10,0 - CK DEC Approved Method (no EF)   0.002853   10,0 - CK DEC Approved Method (no EF)   0.002853   10,0 - CK DEC Approved Method (no EF)   0.002853   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003348   10,0 - CK DEC Approved Method (no EF)   0.003348   10,0 - CK DEC Approved Method (no EF)   0.0033715   10,0 - CK DEC Approved Method (no EF)   0.0033715   10,0 - CK DEC Approved Method (no EF)   0.0033715   10,0 - CK DEC Approved Method (no EF)   0.0033715   10,0 - CK DEC Approved Method (no EF)   0.0033715   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 - CK DEC Approved Method (no EF)   0.003906   10,0 -		Emission Comment:	HAPS and Toxics are calculated using		+					
10_0 - OK DEQ Approved Method (no F)   0.0048825	98862 - Acetophenone			_ , , ,	0.00279					
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software   0.0153455		Emission Comment:	HAPS and Toxics are calculated using		T					
10_0 - CK DEQ Approved Method (no Er)   0.0153455	10/028 - Acrolein	<u> </u>	I I I I I I I I I I I I I I I I I I I	_ , ,	0.0048825					
Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Rants Software   10_0 - OK DEQ Approved Method (no EF)   0.002863	407404 A	Emission Comment:	HAPS and Toxics are calculated using	•	0.0450455					
Triangle   Form   For	10/131 - Acrylonitrile	Emissian Comments	HADE and Taylor are adjusted using	_ , ,	0.0153455					
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  92875 - Benzidine  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  100447 - Benzyl chloride  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  1079 - OK DEQ Approved Method (no EF)  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  1075 - Ox DEQ Approved Method (no EF)  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  75150 - Carbon disulfide  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  1075 - Ox DEQ Approved Method (no EF)  1075 - Ox DEQ Approved Method (no EF)	71/22 Pengana (including hangons from gooding)	Emission Comment.	HAPS and Toxics are calculated using	•	0.003053					
10_0 - OK DEQ.Approved Method (no EF)   0.003906	7 1432 - Berizerie (including berizerie fromgasoline)	Emission Comment:	HAPS and Toxics are calculated using		0.002855					
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  100447 - Benzyl chloride  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  117817 - Bis(2-ethylhexyl)phthalate (DEHP)  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  10_0 - OK DEQ Approved Method (no EF)  0.003348  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  75150 - Carbon disulfide  10_0 - OK DEQ Approved Method (no EF)  0.0023715  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  132649 - Dibenzofuran  10_0 - OK DEQ Approved Method (no EF)  0.003906  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  84742 - Dibutylphthalate  10_0 - OK DEQ Approved Method (no EF)  0.0010185  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  131113 - Dimethyl phthalate  10_0 - OK DEQ Approved Method (no EF)  0.0012555  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  10_0 - OK DEQ Approved Method (no EF)  0.0012555	92875 - Benzidine	Linssion comment.	TATO and Toxics are calculated using	•	0.003906					
10_0 - OK DEQ Approved Method (no EF)   0.0026505	02070 Bel Edillo	Emission Comment:	HAPS and Toxics are calculated using		0.00000					
Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Plants Software   117817 - Bis(2-ethylhexyl)phthalate (DEHP)	100447 - Benzvl chloride				0.0026505					
117817 - Bis(2-ethylhexyl)phthalate (DB-P)    Inj_0 - OK DEQ Approved Method (no EF)   0.003348     Emission Comment: HAPS and Toxics are calculated using EFR TRI for Power Rants Software     Inj_0 - OK DEQ Approved Method (no EF)   0.0023715     Inj_0 - OK DEQ Approved Method (no EF)   0.0023715     Inj_0 - OK DEQ Approved Method (no EF)   0.003906     Inj_0 - OK DEQ Approved Method (no EF)   0.003906     Inj_0 - OK DEQ Approved Method (no EF)   0.003906     Inj_0 - OK DEQ Approved Method (no EF)   0.0010185     Inj_0 - OK DEQ Approved Method (no EF)   0.0010185     Inj_0 - OK DEQ Approved Method (no EF)   0.0012555     Inj_0 - OK DEQ Approved Method (no EF)   0	• • • • • • • • • • • • • • • • • • • •	Emission Comment:	HAPS and Toxics are calculated using	_ , , ,						
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software   10_0 - OK DEQ Approved Method (no EF)   0.0023715	117817 - Bis(2-ethylhexyl)phthalate (DE+P)		Ī		0.003348					
75150 - Carbon disulfide 10_0 - OK DEQ Approved Method (no Er) 0.0023715  Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Pants Software  132649 - Dibenzofuran 10_0 - OK DEQ Approved Method (no Er) 0.003906  Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Pants Software  84742 - Dibutylphthalate 10_0 - OK DEQ Approved Method (no Er) 0.0010185  Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Pants Software  131113 - Dimethyl phthalate 10_0 - OK DEQ Approved Method (no Er) 0.0012555  Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Pants Software		Emission Comment:	HAPS and Toxics are calculated using	EPRITRI for Power Plants Software						
132649 - Dibenzofuran    10_0 - OK DEQ Approved Method (no Er)   0.003906	75150 - Carbon disulfide				0.0023715					
Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  84742 - Dibutylphthalate  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software  10_0 - OK DEQ Approved Method (no EF)  0.0012555  Emission Comment: HAPS and Toxics are calculated using EPR TRI for Power Rants Software		Emission Comment:	HAPS and Toxics are calculated using		-					
84742 - Dibutylphthalate   10_0 - OK DEQ Approved Method (no Er)   0.0010185    Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Rants Software   10_0 - OK DEQ Approved Method (no Er)   0.0012555    Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Rants Software   0.0012555    Emission Comment: HAPS and Toxics are calculated using EPRTRI for Power Rants Software	132649 - Dibenzofuran			10_0 - OK DEQ Approved Method (no EF)	0.003906					
Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Plants Software  131113 - Dimethyl phthalate  Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Plants Software  Emission Comment: HAPS and Toxics are calculated using EPRITRI for Power Plants Software		Emission Comment:	HAPS and Toxics are calculated using	EPRITRI for Power Plants Software						
131113 - Dimethyl phthalate 10_0 - OK DEQ Approved Method (no Er) 0.0012555  Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Plants Software	84742 - Dibutylphthalate			10_0 - OK DEQ Approved Method (no EF)	0.0010185					
Emission Comment: HAPS and Toxics are calculated using EPRI TRI for Power Plants Software		Emission Comment:	HAPS and Toxics are calculated using	EPRITRI for Power Plants Software						
· · · · · · · · · · · · · · · · · · ·	131113 - Dimethyl phthalate			10_0 - OK DEQ Approved Method (no EF)	0.0012555					
106934 - Ethylene dibromide (Dibromoethane) 10_0 - OK DEQ Approved Method (no EF) 0.0006835		Emission Comment:	HAPS and Toxics are calculated using							
	106934 - Ethylene dibromide (Dibromoethane)			10_0 - OK DEQ Approved Method (no EF)	0.0006835					

		Pollutant	Emissian Genussochija PS	an <b>et</b> Tiexi (Fac	<b>eroroalgw </b> ated using ⊞RI⁻	Telan Chamen Method tware	Estimated Emis. (Tons)
		50000 - Formaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.0030975
			Emission Comment: HAPS a	and Toxics	are calculated using 🖽 🖰	TRI for Power Flants Software	
		110543 - Hexane				10_0 - OK DEQ Approved Method (no EF)	0.003082
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI		
		7647010 - Hydrochloric acid				10_0 - OK DEQ Approved Method (no EF)	0.401513
			Emission Comment: HAPS a upon the average of all HO tes			TRI for Power Plants Software. A site specific emission	n factor of 215 lb/Tbtu based
		7664393 - Hydrogen fluoride (Hydrofluoric acid)				10_0 - OK DEQ Approved Method (no EF)	0.108226
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>		
		7439976 - Mercury				10_0 - OK DEQ Approved Method (no EF)	0.00063
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI -	•	
		108101 - Methyl isobutyl ketone (Hexone)				10_0 - OK DEQ Approved Method (no EF)	0.0124155
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	
		75092 - Methylene chloride (Dichloromethane)				10_0 - OK DEQ Approved Method (no EF)	0.0265055
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	
		108952 - Phenol				10_0 - OK DEQ Approved Method (no EF)	0.0026505
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	
		123386 - Propionaldehyde				10_0 - OK DEQ Approved Method (no EF)	0.006975
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	
		7664939 - Sulfuric acid (including acid mist expressed as H2SO4)				10_0 - OK DEQ Approved Method (no EF)	0.0312885
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI <sup>-</sup>	TRI for Power Plants Software	
		108883 - Toluene				10_0 - OK DEQ Approved Method (no EF)	0.0023335
			Emission Comment: HAPS a	and Toxics	are calculated using EPRI	IRI for Power Plants Software	
Emission Unit ID	Unit Process ID	Throughput			Operations		
	39178	Throughput			•	Days/Week: 5.0, Weeks/Year: 28.0	
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler,	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In	out)		•	Days/Week: 5.0, Weeks/Year: 28.0	
8318	39178		out)		Average Hours/Day: 6.8, Actual Hours/Year: 948.0		-Nov: 19.9%
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion		,	d coal hour	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: De		-Nov: 19.9%
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In	,	d coal hour <b>Emis. Fa</b> c	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Des s are the same.		-Nov: 19.9%  Estimated Emis. (Tons)
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired wi	th coal. Therefore, gas hours an	Emis. Fac	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Design of the same.  Cotor UOM  MILLION STANDARD	) c-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep	Estimated Emis. (Tons)
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)	Emis. Fac E6FT3S - CUBIC FE	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Design of the same.  Cotor UOM  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no	Estimated Emis. (Tons)
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0	Emis. Fac E6FT3S - CUBIC FE	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Design of the same.  Cotor UOM  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no	Estimated Emis. (Tons)
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  O - Carbon Monoxide	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0	Emis. Fac E6FT3S - CUBIC FE .0%	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Design of the same.  Sector UOM  MILLION STANDARD  ET	Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	Estimated Emis. (Tons) 12.015
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  O - Carbon Monoxide	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM) 84.0 Overall Control Efficiency: 0	Emis. Fac E6FT3S - CUBIC FE .0%	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET	Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	Estimated Emis. (Tons)
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission 7.6	Emis. Fac E6FT3S - CUBIC FB .0% ons included E6FT3S - CUBIC FB	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  d with CEWS for Coal  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Emission Monitoring System (CBMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE	Estimated Emis. (Tons) 12.015 0.0
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  CO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission 7.6  Overall Control Efficiency: 9	Emis. Fac E6FT3S - CUBIC FE .0% ons included E6FT3S - CUBIC FE 9.0%	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Emission Monitoring System (CBMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE	Estimated Emis. (Tons) 12.015 0.0
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  OO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PRI - PM10 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission 7.6  Overall Control Efficiency: 9	Emis. Factors Fig. 19 Cubic Fi	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Emission Monitoring System (CEMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Tons) 12.015 0.0 1.087
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  OO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PRI - PM10 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission  7.6  Overall Control Efficiency: 9  7.6	Emis. Factors Fig. 19 Cubic Fi	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Errission Monitoring System (CBMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Tons) 12.015 0.0 1.087
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  OO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PRI - PM10 - Primary (Filterable + Condensible)  PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission  7.6  Overall Control Efficiency: 9  7.6	Emis. Factors Factors Factors included E6FT3S - CUBIC FE9.0% E6FT3S - CUBIC FE9.0% E6FT3S - CUBIC FE9.0%	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Emission Monitoring System (CBMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	Estimated Emis. (Tons) 12.015 0.0 1.087
8318 Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  OO - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PRI - PM10 - Primary (Filterable + Condensible)  PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission 7.6  Overall Control Efficiency: 9  7.6  Overall Control Efficiency: 9	Emis. Factorial English Factor	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  di with CEWS for Coal  MILLION STANDARD  ET	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Emission Monitoring System (CEMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  1_0 - Continuous Emission Monitoring System (CEMS)	12.015  0.0  1.087  0.0
<b>8318</b> Boiler 2B B-02-02B	39178 Natural Gas - Boiler, >= 100 Mllion	Annual Throughput: 291,801.702 MILLION BTUS (Natural Gas) (In Comment: Natural gas is used as a startup fueld and is co-fired with Pollutant  O - Carbon Monoxide  NOX - Nitrogen Oxides (NOx) expressed as NO2  PM10-PRI - PM10 - Primary (Filterable + Condensible)  PM25-PRI - PM2.5 - Primary (Filterable + Condensible)  SO2 - Sulfur Oxides (SOx) expressed as SO2	th coal. Therefore, gas hours an Emis. Factor (Lbs/UOM)  84.0  Overall Control Efficiency: 0  Emission Comment: Emission  7.6  Overall Control Efficiency: 9  7.6  Overall Control Efficiency: 9  Emission Comment: Emission	Emis. Factorial English Factor	Average Hours/Day: 6.8, Actual Hours/Year: 948.0 Seasonal Operations: Dessare the same.  ctor UOM  MILLION STANDARD  ET  MILLION STANDARD  ET  MILLION STANDARD  ET  di with CEWS for Coal  MILLION STANDARD  ET	C-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep  Calculation Method  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  1_0 - Continuous Errission Monitoring System (CBMS)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)  8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	12.015  0.0  1.087  0.0

Emission Unit ID	Unit Process ID	Throughput			Operations			
8320 Vehicle Traffic EJG- 7	39180 Stone Quarrying - Processing (See also 305320) - Hauling	Annual Throughput: 29,540.5219 MLES (Vehicle) (Input)			Average Hours/Day: 24.0, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 8,760.0 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	3.206055421	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.321083152	
Emission Unit ID	Unit Process ID	Throughput			Operations			
<b>8321</b> Coal handling EUG-6	39181 Coal Mning, Cleaning, and Material Handling - Coal Transfer	Annual Throughput: 482,528.0 TONS (Coal) (Input)			Actual Hours/Year: 5,340	7, Days/Week: 7.0, Weeks/Year: 52.0 ).4 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.41083677	
		PW25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.051428568	
Emission Unit ID	Unit Process ID	Throughput			Operations			
8322 Limestone handling EUG-5	39182 Bulk Materials Conveyors - Limestone	Annual Throughput: 41,728.0 TONS (Limestone) (Input)			Average Hours/Day: 14.7, Days/Week: 7.0, Weeks/Year: 52.0 Actual Hours/Year: 5,340.4 Seasonal Operations: Dec-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep-Nov: 25.0%			
		Pollutant	Emis. Factor (Lbs/UOM) Emis. Fac		ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.03	TON-TO	NS .	8_2 - US EPA Documents incl. AP-42 & WebFIRE (pre-Control EF)	0.625919999999999	
			Overall Control Efficiency:	0.0%	0.0 10 FDA D			
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)	0.0111	TON-TO	TONS  8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)  0.2315904		0.2315904	
			Overall Control Efficiency:	0.0%				
Emission Unit ID	Unit Process ID	Throughput			Operations			
8323 Ash handling EUG-4	39183 Bulk Materials Conveyors - Other Not Classified	Annual Throughput: 65,225.0 TONS (Ash) (Input)			Actual Hours/Year: 8,760	), Days/Week: 7.0, Weeks/Year: 52.0 ).0 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	-Nov: 25.0%	
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.840297172	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	0.127245	
Emission Unit ID	Unit Process ID	Throughput			Operations			
8325 Storage piles EUG-8	39185 Bulk Materials Storage Bins - Coal	Annual Throughput: 581,317.0 TONS (Coal Storage Area) (Existin	ng)		Actual Hours/Year: 8,760	0, Days/Week: 7.0, Weeks/Year: 52.0 0.0 c-Feb: 25.0%, Mar-May: 25.0%, Jun-Aug: 25.0%, Sep	>-Nov: 25.0%	
	•	Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fa	ctor UOM	Calculation Method	Estimated Emis. (Tons)	
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	2.799729972	
		PM25-PRI - PM2.5 - Primary (Filterable + Condensible)				10_0 - OK DEQ Approved Method (no EF)	1.119891989	
Emission Unit ID	Unit Process ID	Throughput			Operations			
36186 Cooling Towers EUG-10	142967 Process Cooling - Mechanical Draft	Annual Throughput: 42,426.912 MILLION GALLONS (Cooling Water	er) (Input)		Average Hours/Day: 23.7, Days/Week: 5.3, Weeks/Year: 37.0 Actual Hours/Year: 4,638.7 Seasonal Operations: Dec-Feb: 28.1%, Mar-May: 13.4%, Jun-Aug: 38.6%, Sep-Nov: 19.9%			
	1	l .			1	•		

		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
		PM10-PRI - PM10 - Primary (Filterable + Condensible)				8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	8.094454045
		PV25-PRI - PM2.5 - Primary (Filterable + Condensible)				8_0 - US EPA Documents incl. AP-42 & WebFIRE (no EF)	6.718396857
Emission Unit ID	Unit Process ID	Throughput			Operations		
161174 ENG-1 1,180-hp Cummins KTA-38-G Emergency Diesel Power Generator	284777 Distillate Oil (Diesel) - Reciprocating: Exhaust	Annual Throughput: 311.32 GALLONS (Distillate Oil (Diesel)) (Inpu	t)		Actual Hours/Year: 5.7	Days/Week: 0.4, Weeks/Year: 26.0 c-Feb: 49.6%, Mar-May: 0.0%, Jun-Aug: 43.4%, Sep-N	bv: 7.1%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
		∞ - Carbon Mbnoxide	0.00668	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.02246484
			Overall Control Efficiency: 0	0.0%		•	
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.104253
			Overall Control Efficiency: 0	).0%			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0073986
			Overall Control Efficiency: 0	verall Control Efficiency: 0.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00689415
			Overall Control Efficiency: 0.0%				
		VOC - Volatile Organic Compounds (VOCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00844113
			Overall Control Efficiency: 0	0.0%			
Emission Unit ID	Unit Process ID	Throughput			Operations		
161271 BNG-2 890-hp Caterpillar 3412 Emergency Boiler Feedwater Pump	284857 Distillate Oil (Diesel) - Reciprocating: Exhaust	Annual Throughput: 876.55 GALLONS (Distillate Oil (Diesel)) (Inpu	t)		Actual Hours/Year: 19.3	Days/Week: 0.4, Weeks/Year: 26.0 c-Feb: 16.5%, Mar-May: 49.9%, Jun-Aug: 0.0%, Sep-N	bv: 33.6%
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)
			0.00668	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.05737118
			Overall Control Efficiency: 0	0.0%			
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.2662435
			Overall Control Efficiency: 0	0.0%			
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0073986
			Overall Control Efficiency: 0	0.0%			
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205		ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.017606425
			Overall Control Efficiency: 0	0.0%			
		VOC - Volatile Organic Compounds (VOCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.021557135
			Overall Control Efficiency: 0	).0%			

Emission Unit ID	Unit Process ID	Throughput			Operations			
161286 ENG-3 420-hp Caterpillar 3406B DI Diesel Firewater Pump	285150 Distillate Oil (Diesel) - Reciprocating	Annual Throughput: 132.3 GALLONS (Distillate Oil (No. 2)) (Input)	rt)		Average Hours/Day: 0.6, Days/Week: 0.4, Weeks/Year: 26.0 Actual Hours/Year: 6.3 Seasonal Operations: Dec-Feb: 27.0%, Mar-May: 0.0%, Jun-Aug: 0.0%, Sep-Nov: 73.0%			
		Pollutant	Emis. Factor (Lbs/UOM)	Emis. Fac	tor UOM	Calculation Method	Estimated Emis. (Tons)	
			0.0068	HP-HR-H		8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00883764	
			Overall Control Efficiency: 0.0%					
		NOX - Ntrogen Oxides (NOx) expressed as NO2	0.031	HP-HR-H	ORSEFOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.041013	
			Overall Control Efficiency: 0.	0%				
		PM10-PRI - PM10 - Primary (Filterable + Condensible)	0.0022	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.0073986	
			Overall Control Efficiency: 0.	0%				
		SO2 - Sulfur Oxides (SOx) expressed as SO2	0.00205	HP-HR-H	ORSEFOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00271215	
			Overall Control Efficiency: 0.	0%				
		VOC - Volatile Organic Compounds (VOCs)	0.00251	HP-HR-H	ORSEPOWER-HOURS	8_3 - US EPA Documents incl. AP-42 & WebFIRE (no Control EF)	0.00332073	
			Overall Control Efficiency: 0.	0%				